

METHAMPHETAMINE

- ❑ *Methamphetamine is a powerful, synthetic Central Nervous System (CNS) Stimulant.*
- ❑ *Methamphetamine is legally prescribed as a treatment for Attention Deficit Disorder (ADD) under the brand name Desoxyn.*
- ❑ *The majority of methamphetamine being consumed illegally is manufactured in clandestine laboratories around the United States.*
- ❑ *Methamphetamine is classified by the DEA as a Schedule II Controlled Substance.*

HISTORY of METHAMPHETAMINE

1919 Methamphetamine is first synthesized in Japan by A. Ogata.

1940s Japan becomes the first country to suffer a methamphetamine epidemic with methamphetamine being used by factory workers to increase output.

WWII Methamphetamine was used by Japanese, German, British, and American soldiers to help keep them awake during battles and bombing runs.



HISTORY of METHAMPHETAMINE

- 1959** *The FDA bans the use of most amphetamines, from use in inhalers because of the addictive properties but allows methamphetamine to be used.*
- 1960s** *Methamphetamine use begins to rise in the United States.*
- 1970** *Methamphetamine use is at an alarming rate in California. The motorcycle gang “Hell’s Angels” is responsible for the distribution and production of most of the methamphetamine being consumed.*



HISTORY of METHAMPHETAMINE

- 1970** Amphetamines become illegal after the passage of “United States Drug Abuse Regulation and Control Act of 1970”
- 1996** The “Comprehensive Methamphetamine Control Act” is passed, establishing new reporting requirements for those companies selling methamphetamine supplies by mail.
- 2000** Senior officials in the Clinton Administration declare Methamphetamine “the worst drug ever to hit America”.
- Present** Methamphetamine has been associated with “Raves”, and belongs to the “Club Drugs” family.

METH LAB



HAZMAT TEAM



Meth's affliction felt in nation's heartland

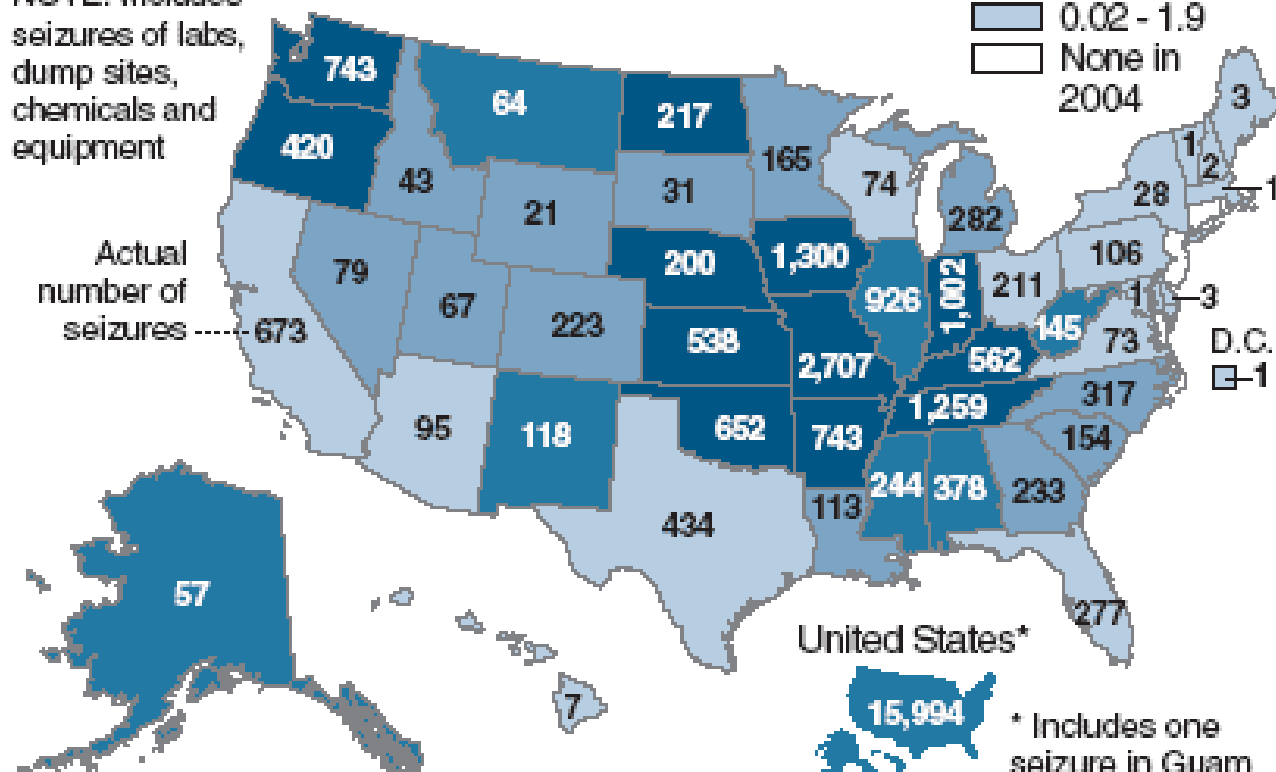
In 2004, authorities made nearly 16,000 seizures related to clandestine methamphetamine labs, many of which were in the Midwest. The meth epidemic affects both cities and rural areas, where meth "cookers" have more space to operate undetected.

Law enforcement seizures of methamphetamine labs, by state

NOTE: Includes seizures of labs, dump sites, chemicals and equipment

Seizures per 100,000 population

- 10.0 - 50.0
- 5.0 - 9.9
- 2.0 - 4.9
- 0.02 - 1.9
- None in 2004



PHYSICAL EFFECTS

- Methamphetamine can be made with a horrid mix of substances, including over-the-counter cold medicine, such as sudafed, fertilizer, battery acid and hydrogen peroxide.
- The growing use of methamphetamine throughout the country is creating a prominent scar on an increasing number of users - rotting, brittle teeth (meth-mouth) that seem to crumble from their mouths.

PHYSICAL EFFECTS

- Together, the chemicals reduce a user's saliva, which neutralizes acids and physically clears food from the teeth.
"When the saliva isn't flowing, the bacteria build up a lot faster."
- Meth users also may neglect their teeth, or moisten their dry mouths with high-sugar drinks, and anxiety caused by the drug prompts them to grind their teeth, which speeds decay.
- The problem is particularly noticeable among inmates, whose oral problems have some prison systems struggling to provide dental care.

METH MOUTH



STREET NAMES

👁 *Crank*

👁 *Ups*

👁 *Glass*

👁 *Meth*

👁 *Speed*

👁 *Chalk*

👁 *Whacked*

👁 *Booger*

👁 *Caca*

👁 *Crypto*

👁 *Crystal Meth*

👁 *Crystal*



👁 *Tubby Toast*

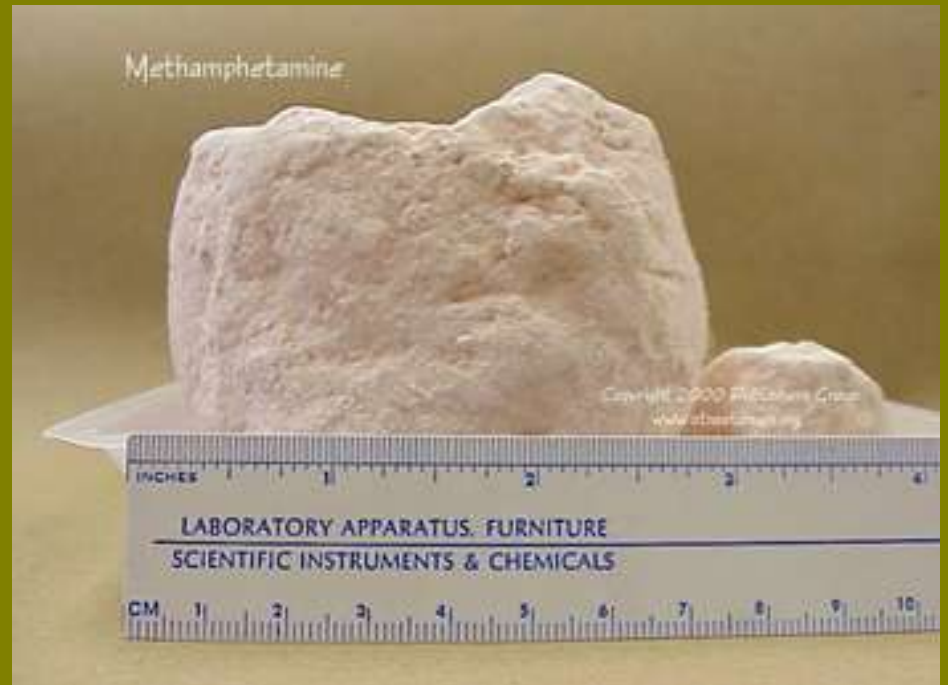
HOW IS METHAMPHETAMINE CONSUMED?

Methamphetamine is generally a white or off-white powder that can be ingested several different ways:

- ★ Orally – In a pill form***
- ★ Snorted – This can cause severe damage to the interior and exterior of the nose.***
- ★ Intravenously - The methamphetamine can be injected into either the blood stream or the muscle tissue***
- ★ Smoked – Methamphetamine is sometimes smoked by itself or on top of marijuana.***

SHORT TERM SIDE EFFECTS

- ❑ Chronic Depression
- ❑ Anxiety/Panic Attacks
- ❑ Violent/Suicidal Behavior



LONG TERM SIDE EFFECTS

Methamphetamine use can cause serious long term side effects that can affect the user for the rest of their life:

❖ **Fatal Kidney Disorders**

❖ **Stroke**

❖ **Fatal Lung Disorders**

❖ **Death**

❖ **Severe Brain Damage**

❖ **Immune System Damage**

❖ **Severe Psychological Problems**

❖ **Birth Defects**



METH BURNS



METH BURNS



ADDICTION

Physical Dependence - When the users body cannot function properly without ingestion of the drug.

Psychological Dependence - When the consumption of the drug takes priority over other activities within the users daily life.

WITHDRAWAL

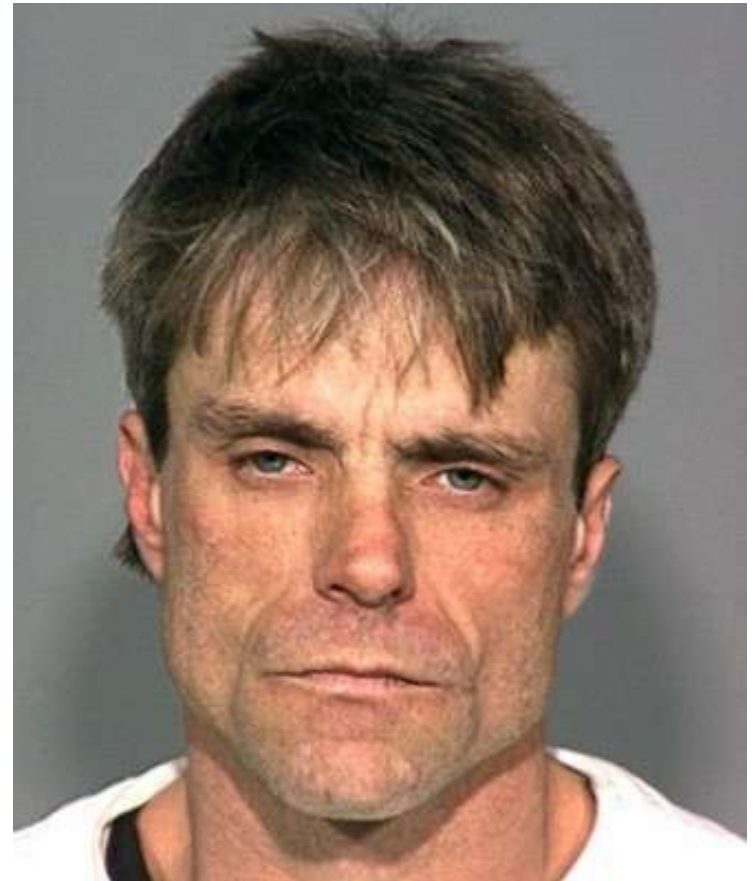
When a dependent person stops ingesting methamphetamines their body must readjust to functioning with the drug. Symptoms of withdrawal can include:

- ☐ **Hunger**
- ☐ **Extreme Fatigue**
- ☐ **Anxiety/Irritability**
- ☐ **Chronic Depression**
- ☐ **Restless Sleep**
- ☐ **Severe Nightmares**
- ☐ **Severe Distress**
- ☐ **Panic Attacks**

FACES OF METH



FACES OF METH



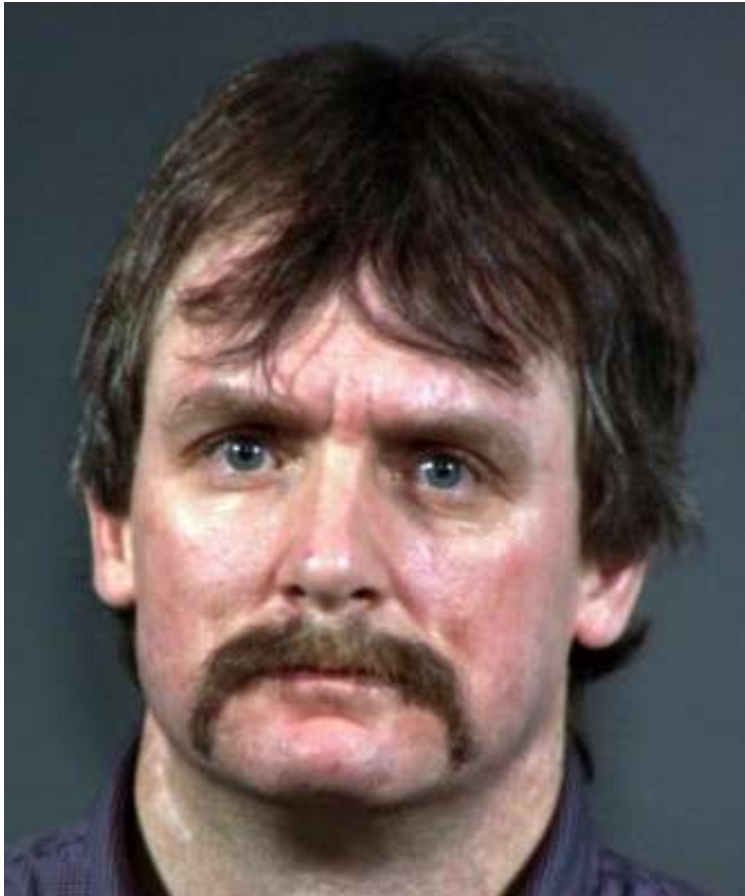
FACES OF METH



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YABA

- Yaba is a methamphetamine-based drug originating from Thailand with alarmingly dangerous properties.
- Thai for "crazy medicine," Yaba pills are very small in size (about the size of a pencil eraser). Yaba tablets are sometimes flavored (grape, orange, and vanilla).
- They are a mixture of methamphetamine and caffeine. Tasting like candy, the tablets are marketed to a young audience, particularly at rave's.
- Also known as "Nazi speed" because of its creation by German scientists during World War II to increase the endurance of their soldiers.

YABA

- The new form is taken orally and comes in the form of a tablet small enough to fit in the end of a drinking straw.
- Yaba is extremely addictive and can cause elevated blood pressure and body temperature, irregular heartbeat, hallucinations, stroke and death.
- The central nervous system (CNS) actions that result from taking even small amounts include increased wakefulness, increased physical activity, decreased appetite, increased respiration, hypothermia, and euphoria.
- Other CNS effects include irritability, insomnia, confusion, tremors, convulsions, anxiety, paranoia, and aggressiveness.
- Hypothermia and convulsions can result in death.

YABA

- **Street Names**
Crazy Medicine
Nazi Speed
Hitler's Drug



METHAMPHETAMINE TESTING

- ***Methamphetamine is detectable in urine for 2-4 days after ingestion.***

Young People and Club Drugs: A Dangerous Combination

Lonely 18 year old kids away from home

Underage access to Rave clubs/parties due to lack of alcohol

Attraction to the “club drugs” through peer pressure

Steady incomes and the open sale of drugs

Knowledge of the detection deficiencies for club drugs

Belief that club drugs are not dangerous



Army Substance Abuse Program

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Exam Part Four

